# ABSTRACT OF THE DISCLOSURE

A random number generator and method thereto using an entropy register. The method includes providing a first plurality of bit entries in an entropy register and transmitting a bit value from each of a plurality of registers to one of the first plurality of bit entries in the entropy register. The random number generator comprises an entropy register configured to receive bits over a plurality of data lines that each couple to an individual entry in the entropy register. The random number generator may further include an entropy control unit configured to provide a value from the entropy register in response to a request for a random number.

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